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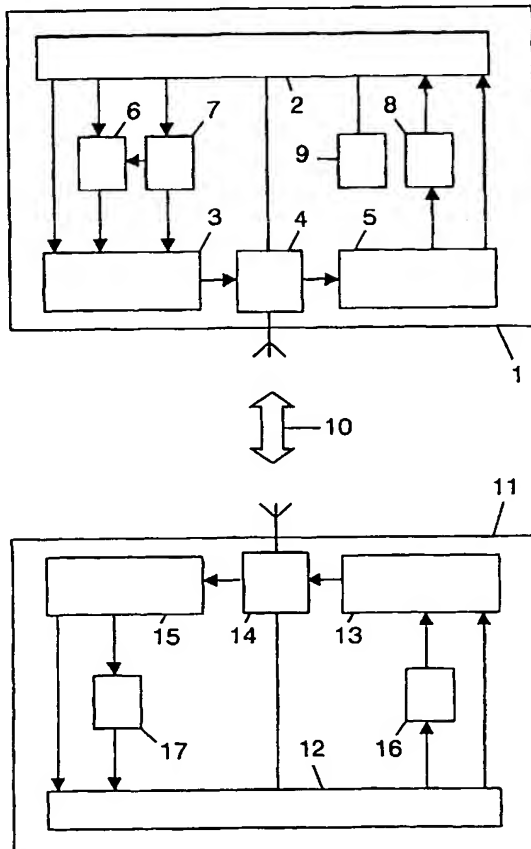
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[Continued on next page]

(54) Title: **ALLOCATION OF CHANNELISATION CODE BASED ON COST FUNCTION**



(57) Abstract: Telecommunication systems comprising base stations (1) and mobile terminals (11) generate channelization codes like Orthogonal Variable Spreading Factor codes or OVSF codes defining channels used for communication between base stations (1) and mobile terminals (11) and calculate cost functions for these channelization codes. The base stations (1) are provided with transferors (7) for transferring ongoing calls from first channels defined by first channelization codes to second channels defined by second channelization codes in dependence of calculated cost functions, to be able to treat ongoing calls dynamically, by allocating channels dynamically to ongoing calls. Said transferring is realized via transferring messages. Preferably a low complex cost function is a function of a sum of products of an occupation parameter and a data rate for at least a specific level and divided by a data rate for a neighboring level, to reduce the processing capacity.

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## INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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Y	US 5 796 722 A (STOLYAR ALEKSANDR L ET AL) 18 August 1998 (1998-08-18) abstract column 2, line 59 -column 3, line 54 ----	1-9
A	US 5 886 988 A (OTTERSTEN BJOERN E ET AL) 23 March 1999 (1999-03-23) abstract column 21, line 55 - line 65 column 27, line 6 - line 33 ----- -/--	1-9

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.**\* Special categories of cited documents :****\*A** document defining the general state of the art which is not considered to be of particular relevance**\*E** earlier document but published on or after the International filing date**\*L** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)**\*O** document referring to an oral disclosure, use, exhibition or other means**\*P** document published prior to the International filing date but later than the priority date claimed**\*T** later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention**\*X** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone**\*Y** document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.**\*Z** document member of the same patent family

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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